

Classification of the Leafbeetles from Korea
Part III. Subfamily Criocerinae (Coleoptera: Chrysomelidae)

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ABSTRACT

The present paper treats all 25 species of 4 genera of Criocerinae recorded from Korea, of them a species is newly recorded and two species probably do not occur in the country. Keys to all genera and species discussed here are given.

INTRODUCTION

This paper is the third in a series of the taxonomy of Korean leafbeetles. Since two species of Criocerinae have been recorded from Korea by Heyden (1887) for the first time, to date 25 species of 4 genera have been recorded from this country.

Some species of this genera are important pests, for example, *Oulema oryzae* (Kuwayama) attacks rice plant and often causes serious damage in highlands of this country.

The present paper treats 25 species belonging to 4 genera, of these a species is recorded from the country for the first time and the occurrence of two species in the area is questionable.

Keys are presented to both genera and species, and attempt is made to present all principal geographical records, domestic collected localities and host plants for the species.

The provinces are abbreviated as following for convinience:

CB: Chungcheongbugdo	HB: Hamgyeongbugdo
CN: Chungcheongnamdo	HN: Hamgyeongnamdo
GB: Gyeongsangbugdo	JB: Jeollabugdo
GG: Gyeonggido	JJ: Jejudo
GN: Gyeongsangnamdo	JN: Jeollanamdo
GW: Gangweondo	

Subfamily CRIOCERINAE

Key to Korean Tribes of Criocerinae

1. Tarsal claws fused together for basal 1/4 to 1/2 Lemiini
- Tarsal claws free, not fused at bases Criocerini

Tribes Criocerini Heinze, 1962

Key to Korean Genera of Criocerini

1. Head with a transverse depression across top at constriction behind eyes, and with deep grooves setting off central portion of occiput *Liliocerus*
- Head lacking a transverse depression across top at constriction, and without deep grooves extending forward from constriction along sides of central portion of occiput *Criocerus*

Genus 1. *Criocerus* Müller, 1764

Criocerus (Geoffroy, 1762, Hist. Ins. Paris 1: 237; nom. nud.) Müller, 1764, Faun. Ins. Fridr.: 13.

Key to Korean species of *Criocerus*

1. Elytron with 6 black spots, of which 4 and 5 placed transversely *duodecimpunctata dodecastigma*
- Elytron with 7 black spots, of which 1, 2, 4, 5, 6 large and 3 and 7 small; in some cases 1 and 3 fused *quatuordecimpunctata*

1. *Criocerus duodecimpunctata dodecastigma* (Suffrian, 1841)

Lema dodecastigma Suffrian, 1841, Stett. Ent. Zeit. 2: 40.

Criocerus duodecimpunctata (Linne) var. *dodecastigma*: Chûjô, 1940, Trans. Nat. Hist. Soc. Form. 30(204): 350¹.

Criocerus orientalis var. *choi* Chûjô, 1941, Ibid. 31: 452(Korea).

Criocerus duodecimpunctata Linne var. *dodecastigma*: Cho, 1957, Hum. & Sci., Nat. Sci. Kor. Univ. 2: 234-235 (Korea).

Criocerus duodecimpunctata dodecastigma + *C. orientalis choi*: Gressitt et Kimoto, 1961, Pac. Ins. Mon. 1A: 40².

Criocerus duodecimpunctata dodecastigma + *C. orientalis choi*: Cho, 1965, Sci. Techn. Nat. Sci. Kor. Univ. 7: 106-107 (Korea).

Criocerus duodecimpunctata: Kimoto et Kawase, 1966, Esakia 5: 40(Korea).

Criocerus orientalis choi: Ohno, 1967, Nat. & Ins. 2(4): 12-13 (Korea).

Crioceris duodecimpunctata: Ohno, 1967, Ibid. 2(5): 28 (Korea).

Crioceris duodecimpunctata dodecastigma + *C. orientalis choi*: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 392-393(C. Korea).

Crioceris duodecimpunctata dodecastigma + *C. orientalis choi*: Jolivet, 1973, Cah, Pac. 17: 258(Corée).

Crioceris duodecimpunctata: Lopatin, 1975, Ins. Mong. 3: 193(Korea).

Crioceris quatuordecimpunctata dodecastigma: Takizawa, 1980, Nat. & Lif. 10(2): 1³.

Locality: GB: Mt. Palgongsan (Palkong-san³).

GG: Mt. Soyosan (Mt. Syōyō-Zan¹).

HB: Cheongjin (Seishin²).

Distribution: Korea, China (Manchuria), Europe.

Host: *Asparagus* sp.

2. *Crioceris quatuordecimpunctata* (Scopoli, 1763)

Attelabus 14-punctatus Scopoli, 1763, Ent. Carn. 1763: 37, fig. 116.

Crioceris 14-punctata var. *sibirica* Weise, 1887, Arch. Nat. 53: 165.

Crioceris innotaticeps Pic, 1916, Mél. Exot. Ent. 19: 17.

Crioceris 14-punctata var. *tschangana* Pic, 1932, Ibid. 60: 32.

Crioceris 14-punctata sibirica ff. *staudingeri* + *C. 14. s. ff. confluenta* Heinze, 1943, Stett. Ent. Ztg. 104: 101¹.

Crioceris issikii Chûjō, 1951, Kagawa Agr. Coll., Techn. Bull. 2(2): 79.

Crioceris 14-punctata ssp. *mandschurica* Medvedev, 1958, Ent. Arb. Mus. Frey 9(1): 107.

Crioceris quatuordecimpunctata: Gressitt et Kimoto, 1961, Pac. Ins. Mon. 1A: 39-40, figs. 10(a), 11(a) (Korea).

Crioceris quatuordecimpunctata: Cho, 1965, Sci. & Techn. Nat. Sci. Kor. Univ. 7: 106(Korea).

Crioceris quatuordecimpunctata: Kimoto et Kawase, 1966, Esakia 5: 40².

Crioceris quatuordecimpunctata sibirica: Ohno, 1967, Nat. & Ins. 2(4): 11-12 (Korea).

Crioceris quatuordecimpunctata: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 392-393 (Korea).

Crioceris quatuordecimpunctata: Jolivet, 1973, Cah. Pac. 17: 258 (Corée).

Crioceris quatuordecimpunctata: Lopatin, 1975, Ins. Mong. 3: 193 (Korea).

Crioceris quatuordecimpunctata: Kimoto, 1984, Col. Jap. Col. 4: 152, pl. 29(24) (Korea).

Locality: GB: Mt. Palgongsan.

GN: Haeundae.

GW: Mt. Seolagsan.

HB: Cheongjin (Seishin¹), Unggi².

Distribution: Korea, Japan, N. China, U.S.S.R. (Sibera), E. Europe.

Host: *Asparagus officinalis* Linne.

Genus 2. *Lilioceris* Reitter, 1912

Lilioceris Reitter, 1912, Faun Ger. 4: 79.

Key to Korean Subgenera of *Lilioceris*

1. Elytra strongly raised at suture behind scutellum; elytral punctures extremely large, foveolate *Chujoita*
- Elytra not strongly raised at suture behind scutellum; elytral punctures not extremely large. *Lilioceris*

Subgenus *Chujoita* Monrós, 1959

Chujoita Monrós, 1959, Oper. Lill. 3: 148.

3. *Lilioceris* (*Chujoita*) *gibba* (Baly, 1861)

- Crioceris gibba* Baly, 1861, Journ. Ent. 1: 280, pl. 13, fig. 3.
Crioceris gibba var. *lemoulti* Pic. 1916, Mém. Exot. Ent. 19: 17.
Crioceris formosensis Chûjô, 1933, Sylvia 4: 29, fig. 1.
Lilioceris gibba: Heinze, 1943, Stett. Ent. Ztg. 104: 105 (Korea).
Lilioceris gibba: Gressitt et Kimoto, 1961, Pac. Ins. Mon. 1A: 48-49 (Korea).
Lilioceris gibba: Cho, 1965, Sci. Techn. Nat. Sci. Kor. Univ. 7: 107 (Korea).
Lilioceris gibba: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 392-393 (Korea).
Lilioceris gibba: Jolivet, 1973, Cah. Pac. 17: 258 (Corée).
Lilioceris (*Chujoita*) *gibba*: Kimoto et Gressitt, 1979, Pac. Ins. 20(2-3): 221 (Korea).

Distribution: Korea(?), S. China (Fukien, Kwangtung, Yunnan), Taiwan, Vietnam.

Host: *Lilium* sp.

Subgenus *Lilioceris* Reitter, 1912

Key to Korean species of *Lilioceris*

1. Dorsum bicolorus 2
- Dorsum unicolorus 3
2. Pronotum reddish; elytra blue *ruficollis*
- Elytra with an orange humeral patch *scapularis*
3. Pronotum without a distinct longitudinal groove on center 4
- Pronotum with a distinct longitudinal groove on center; frons divided by a strong groove *merdigera*

4. Pronotum rugosely punctured *rugata*
 -. Pronotum sparsely and finely punctured *sinica*

4. *Liliocerus* (*Lilioceries*) *merdigera* (Linnaeus, 1758)

- Chrysomela merdigera* Linnaeus, 1758, Syst. Nat. ed. 10: 375.
Criocerus wagneri Jacobson, 1893, Hor. Soc. Ent. Ross. 27: 122.
Criocerus laticollis Reitter, 1893, Wiener Ent. Ztg. 12: 302.
Criocerus lator Pic, 1916, Mél. Ext. Ent. 21: 18.
Criocerus nigratarsis: Iwamoto, 1937, Kont. Kenk. 1(1): 19 ¹.
Criocerus nigratarsis: Iwamoto, 1937, Hir. Kont. Dok. 4(1): 25-26, fig. 1 ².
Criocerus merdigera: Yuasa, 1939, Kontyû 13(5-6): 199 ³.
Criocerus merdigera: Chûjô, 1940, Trans. Nat. Hist. Soc. Form. 30(204): 350-351 ⁴.
Criocerus wagneri: Heinze, 1943, Stett. Ent. Ztg. 104: 102 ⁵.
Criocerus merdigera: Cho, 1957, Hum. & Sci., Nat. Sci. Kor. Univ. 2: 235 (Korea).
Liliocerus merdigera: Gressitt et Kimoto, 1961, Pac. Ins. Mon. 1A: 54 ⁶.
Liliocerus merdigera: Nakane, 1963, Icon. Ins. Jap. Col. Nat. 2: 322, pl. 161(15) (Korea).
Liliocerus merdigera: Cho, 1965, Sci. & Techn. Nat. Sci. Kor. Univ. 7: 107 (Korea).
Liliocerus merdigera: Zool. Soc. Kor., 1968, Nom, An. Kor. 2: 115 (Korea).
Liliocerus merdigera: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 392-393 (Korea).
Liliocerus merdigera: Jolivet, 1973, Cah. Pac. 17: 258 (Corée).
Liliocerus merdigera: Lopatin, 1975, Ins. Mong. 3: 193 (Korea).
Liliocerus merdigera: Kimoto, 1984, Col. Jap. Col. 4: 155, pl. 30(6) (Korea).
Liliocerus merdigera: Takizawa, 1985, Nat. & Lif. 15(1): 2 ⁷.

Locality: GB: Mt. Sobaegsan.

GG: Gwangneung, Mt. Myeongjisan, Mt. Soyosan (Mt. Syoya-Zan⁴).

GN: Mt. Weonhyosan.

GW: Mt. Geumgangsán (Mt. Kongo-Zan ¹⁻²), Mt. Seolagsan (Baegdam-sa ⁷), Mt. Taebaegsan.

HB: Charyeong (Syarei ³), Cheongjin (Seishin ⁵).

JJ: Mt. Hallasan.

Distribution: Korea, Japan, China (Fukien, Hopei, Hupeh, Kirin), Taiwan, Asia, Europe, Mexico, Brazil.

Host: *Lilium longiflorum* Thunb. var. *gigantium* Hort.

Remarks: Chiksam Mines ⁶ is uncertainty at present geographical name.

5. *Liliocerus* (*Lilioceries*) *ruficollis* (Baly, 1865)

- Criocerus ruficollis* Baly, 1865, Ann. Mag. Nat. Hist. ser. 3, 16: 155.
Criocerus sieversi Heyden, 1887, Hor. Soc. Ent. Ross. 21: 271-272 (Korea).

- Crioceris sieversi*: Doi, 1927, Dob. Zassh. 39(466): 335 (Korea).
Crioceris sieversi: Wu, 1937, Cat. Ins. Sin. 3: 782 (Korea).
Crioceris ruficollis: Chûjô, 1940, Trans. Nat. hist. Soc. Form. 30(204): 351¹.
Crioceris ruficollis: Cho, 1957, Hum. & Sci., Nat. Sci. Kor. Univ. 2: 235 (Korea).
Lilioceris ruficollis: Gressitt et Kimoto, 1961, Pac. Ins. Mon. 1A: 55-56 (Korea).
Lilioceris ruficollis: Nakane, 1963, Icon. Ins. Jap. Col. Nat. 2: 322, pl. 161(16) (Korea).
Lilioceris ruficollis: Cho, 1965, Sci. & Techn. Nat. Sci., Kor. Univ. 7: 107 (Korea).
Lilioceris ruficollis: Ohno, 1967, Nat. & Ins. 2(5): 26 (Korea).
Crioceris ruficollis: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 116 (Korea).
Lilioceris ruficollis: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 392-393 (Korea).
Lilioceris ruficollis: Jolivet, 1973, Cah. Pac. 17: 258 (Corée).
Lilioceris ruficollis: Kim, 1978, Distr. Atl. Ins. Kor. 2: 166, pl. 17 (CH 31)²⁻⁷.
Lilioceris ruficollis: Takizawa, 1980, Nat. & Lif. 10(2): 1⁸.
Lilioceris ruficollis: Kimoto, 1984, Col. Jap. Col. 4: 155, pl. 30(2) (Korea).

Locality: GB: Dansan Myeon, Mt. Palgongsan (Palkong-san⁸).

GG: Mt. Cheonmasan (Ch'onmasan²), Daeseongni (Taesongni⁵), Gwang-neung (Kwangnung⁴), Mt. Myeongjisan, Mt. Soyosan³, Mt. Ungilsan.

GN: Mt. Gayasan (Kayasan⁶), Mt. Ongnyebong.

GW: Mt. Godaesan (Kodai-Zan¹), Mt. Odaesan.

JN: Is. Hongdo, Is. Jindo, Mt. Yudalsan⁷.

Distribution: Korea, Japan, China (Kekiang, Fukien, Kirin).

Host: *Dioscorea* sp., *Lilium* sp.

6. *Lilioceris (Lilioceris) rugata* (Baly, 1865)

- Crioceris rugata* Baly, 1865, Ann. Mag. Nat. Hist. Ser. 3, 16: 154.
Lilioceris rugata: Chûjô, 1941, Trans. Nat. Hist. Soc. Form. 31(219): 453 (Korea).
Lilioceris rugata: Goto, 1956, Col. Ill. Ins. Jap. Col., ed: 62, pl. 18(364) (Korea).
Lilioceris rugata: Nakane, 1963, Icon. Ins. Jap. Col. Nat. 2: 322, pl. 161(19) (Korea).
Lilioceris rugata: Cho, 1965, Sci. & Techn. Nat. Sci. Kor. Univ. 7: 107 (Korea).
Lilioceris rugata: Suda, 1965, Col. Encycl. Ins. : 551 (Korea).
Lilioceris rugata: Ohno, 1967, Nat. & Ins. 2(5): 26 (Korea).
Lilioceris rugata: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 392-393 (Korea).
Lilioceris rugata: Jolivet, 1973, Cah. Pac. 17: 258 (Corée).
Lilioceris rugata: Ed. Dep. Ho., 1979, Ill. Ins. Jap. Stud. ed: 429, fig. (2435) (Korea).

Distribution: Japan.

Remarks: The occurrence of this species in Korea is questionable and this species is restricted to Japan at present.

7. *Liliocerus (Liliocerus) scapularis* (Baly, 1859)

- Criocerus scapularis* Baly, 1859, Ann. Mag. Nat. Hist. ser. 3, 3: 195.
Criocerus scapularis: Doi, 1926, Kontyu Sek. 30(346): 185 ¹.
Criocerus scapularis: Doi, 1927, Dob. Zassh. 39(466): 326, 335 ².
Criocerus scapularis: Matsumura, 1931, 6000 Ill. Ins. Jap.: 231, fig. (652) (Korea).
Criocerus scapularis: Chûjô, 1940, Trans. Nat. Hist. Soc. Form. 30(204): 351 ³.
Liliocerus scapularis: Heinze, 1943, Stett. Ent. Ztg. 104: 101 ⁴.
Criocerus scapularis(sic): Cho, 1957, Hum. & Sci., Nat. Sci. Kor. Univ. 2: 235 (Korea).
Criocerus scapularis: Gressitt et Kimoto, 1961, Pac. Ins. Mon. 1A: 56 (Korea).
Liliocerus scapularis: Nakane, 1963, Icon. Ins. Jap. Col. nat. 2: 322, pl. 161(17) (Korea).
Liliocerus scapularis: Cho, 1965, Sci. & Techn. Nat. Sci. Kor. Univ. 7: 107 (Korea).
Liliocerus scapularis: Ohno, 1967, Nat. & Ins. 2(5): 26 (Korea).
Criocerus scapularis: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 116. (Korea).
Liliocerus scapularis: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 378, 392-393, pl. 11(3) (C. Korea).
Liliocerus scapularis: Jolivet, 1973, Cah. Pac. 17: 258 (Corée).
Liliocerus scapularis: Kim, 1978, Distr. Atl. Ins. Kor. 2: 167, pl. 17(CH 32) ⁵⁻¹³.
Liliocerus (Liliocerus) scapularis: Kimoto et Gressitt, 1979, Pac. Ins. 20(2-3): 230 (Korea).
Liliocerus scapularis: Kimoto, 1984, Col. Jap. Col. 4: 155, pl. 30(3) (Korea).

Locality: GB: Daegu, Mt. Sobaegsan, Mt. Sudosan.

GG: Mt. Cheonmasan (Ch'onmasan ¹⁰), Cheongpyeong (Ch'ongpyong ⁹),
 Mt. Dobongsan (Tobongsan ¹¹), Iilyeong (Illyong ¹²), Gwangneung
 (Kwangnung ⁶), Mt. Soyosan ⁸ (Mt. Syôyô-Zan ³), Suweon ¹⁻², Mt.
 Ungilsan, Mt. Wangbangsan ⁷.

GW: Gangchon (Kangch'on ⁵).

HN: Weonsan (Gensan ⁴).

JN: Mt. Mudeungsan.

Distribution: Korea, Japan, China (Chekiang, Fukien, Hainan I., Kwangtung), Taiwan, Thailand, Vietnam.

8. *Liliocerus (Liliocerus) sinica* (Heyden, 1887)

- Criocerus sinica* Heyden, 1887, Hor. Soc. Ent. Ross. 21: 270-271 (Korea).
Criocerus chinensis Jacoby, 1888, Proc. Zool. Soc. Lond. 1888: 340.
Criocerus theana Reitter, 1898, Wiener Ent. Ztg. 17: 22.
Criocerus sinica: Doi, 1927, Dob. Zassh. 39(466): 335 (Korea).
Criocerus subpolita (nec Motsch.): Cho, 1934, Chosen Nat. Hist. Soc., Journ. 17: 70 (Korea).
Criocerus sinica: Wu, 1937, Cat. Ins. Sin. 3: 782 (Korea).
Criocerus rugata (nec Baly): Chûjô, 1941, Trans. Nat. Hist. Soc. Form. 31: 453 (Korea).
Criocerus subpolita (nec Motsch.): Ohane, 1941, Sci. Rep. Keit. 6: 26 (Korea).
Criocerus chinensis Gressitt, 1942, Lingn. Sci. Journ. 20(2-4): 297.

- Lilioceris rugata* ssp. *sparsipunctata* Medvedev, 1958, Ent. Arb. Mus. Frey 9(1): 111.
Lilioceris sinica: Gressitt et Kimoto, 1961, Pac. Ins. Mon. 1A: 58 (Korea).
Lilioceris sinica: Cho, 1965, Sci. & Techn. Nat. Sci. Kor. Univ. 7: 107 (Korea).
Crioceris sinica: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 116 (Korea).
Lilioceris sinica: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 392-393 (Korea).
Lilioceris sinica: Jolivet, 1973, Cah. Pac. 17: 258 (Corée).

Locality: GG: Gwangneung.
 GW: Mt. Seolagsan.

Distribution: Korea, China (Chekiang, Fukien, Hopei, Hupeh, Kirin, Manchuria, Shantung), U.S.S.R. (E. Siberia).

Tribes Lemiini Heinze, 1962

Key to Korean Genera of Lemiini

1. Occiput abbreviated, wider than long, with sides forming a front angle of more than 90° *Oulema*
- Occiput not abbreviated, not wider than long, with sides forming a front angle of less than 90° *Lema*

Genus 3. *Lema* Fabricius, 1798

Lema Fabricius, 1798, Suppl. Ent. Syst.: 90.
Sucatolema Pic, 1928, Bull. Soc. Ent. Fr. 1928: 96.

Key to Korean Subgenera of *Lema*

1. Elytra with a short scutellar row of punctures, or inner rows of punctures confused by extra punctures of similar size basally 2.
- Elytra without scutellar row of punctures; punctures always regularly arranged in longitudinal rows, even in basal portion, and without extra punctures except for minute ones in interstices *Petauristes*
2. Punctures of scutellar row similar in size to those of neighboring rows; pronotum with 1 or 2 transverse impressions *Lema*
- Punctures in scutellar row much smaller than those of other rows; pronotum without any transverse impressions *Microlema*

Subgenus *Petauristes* Latreille, 1829

Petauristes Latreille, 1829, in Cuvier Regn. An. 5: 136.
Bradylema Weise, 1901, Arch. Nat. 67: 146.

Pseudolema (nec Jacoby, 1903) Pic, 1928, Bull. Soc. Ent. Fr. 1928: 96.

Bradylemoides Heinze, 1930, Rev. Zool.-Bot. Afr. 20(1): 28.

Enoplolema Heinze, 1943, Ent. Blatt. 39: 23.

Key to Korean species of *Petauristes*

1. Elytra bluish or greenish, not reddish or yellowish 2
- Elytra ochraceous with 4 black spots, or 2 black longitudinal stripes broadly on disc;
4 pronotal spots black; length 5.0-6.0 mm *adamsii*
2. Ventral surfaces blackish, legs entirely black; length 5.0-6.0 mm *honorata*
- Ventral surfaces red; pronotal punctures large and arranged in a pair of longitudinal
rows; length 5.5-7.0 mm *fortunei*

9. *Lema* (*Petauristes*) *adamsii* Baly, 1865

Lema adamsii Baly, 1865, Ann. Mag. Nat. Hist. 3(16): 156.

Lema adamsi (sic): Doi, 1927, Dob. Zassh. 39(466): 335 (Korea).

Lema adamsi (sic): Wu, 1937, Cat. Ins. Sin. 3: 783 (Korea).

Lema trapezinotata Gressitt, 1942, Lingn. Sic. Journ. 20(2-4): 320, pl. 18(4).

Lema adamsi (sic): Nakane, 1963, Icon. Ins. Jap. Col. nat. 2: 323, pl. 162(5) (Korea).

Lema adamsi (sic): Takizawa, 1980, Nat. & Lif. 10(2): 2¹⁻².

Lema (*Petauristes*) *adamsii*: Kimoto, 1984, Col. Jap. Col. 4: 157, pl. 30(16) (Korea).

Locality: CB: Mt. Deongsungsan.

GB: Daegu (Dongmeong¹), Mt. Hwanghaksan, Mt. Naeyeonsan, Mt.
Palgongsan (Palkong-san²).

GN: Mt. Geumjeongsan, Is. Namhaedo, Mt. Ongnyebong, Mt.
Weonhyosan.

JB: Mt. Naejangsan.

JN: Is. Jindo, Mt. Jogyesan.

Distribution: Korea, Japan, China (Chekiang, Fukien, Kiangsi, Kwangtung).

10. *Lema* (*Petauristes*) *fortunei* Baly, 1859

Lema fortunei Baly, 1859, Trans. Ent. Soc. Lond. 2(5): 148.

Lema fortunei: Ohno, 1967, Nat. & Ins. 2(3): 16 (Korea).

Aulacophora nigripennis (nec Motsch.): Kim, 1978, Distr. Atl. Ins. Kor. 2: 136,
pl. 15 (CH 3)¹.

Lema fortunei: Takizawa, 1980, Nat. & Lif. 10(2): 2².

Lema fortunei: Takizawa, 1985, Ibid, 15(1): 2³⁻⁴.

Locality: CG: Mt. Songnisan.

GB: Dansan Myeon, Mt. Hwanghagsan, Mt. Palgongsan (Palkong-san²,

Palkongsan³), Mt. Sambangsan.
 GG: Mt. Cheonmasan, Gwangneung, Mt. Myeongjisan, Mt. Soyosan,
 Suweon (Suwon⁴), Mt. Ungilsan, Mt. Wangbangsan, Mt.
 Yongmunsan.
 GN: Mt. Gajisan, Mt. Jirisan, Samnam Myeon, Mt. Yeongchwisan.
 GW: Chugogni.
 JB: Mt. Naejangsan¹.
 JN: Is. Jindo, Mt. Yudalsan.

Distribution: Korean, Japan, China (Anhwei, Chekiang, Fukien, Hupeh, Kwangtung, Sikang, Szechuan).

Host: *Dioscorea* sp.

11. *Lema (Petauristes) honorata* Baly, 1873

Lema honorata Baly, 1873, Trans. Ent. Soc. Lond. 1873: 73.
Lema infracyanea Pic, 1924, Mél. Exot. Ent. 41: 11.
Lema honorata: Chûjô, 1940, Trans. Nat. Hist. Soc. Form. 30(204): 353¹.
Lema honorata: Ishii, 1941, Sci. Rep. Keit. 6: 10².
Lema honorata: Yuasa, 1950, Icon. Ins. Jap. ref. 2: 1189, pl. 3417 (Korea).
Lema (Bradylema) honorata: Chûjô et Shirôzu, 1955, Sieboldia 1(3): 237-238 (Korea).
Lema honorata: Cho, 1957, Hum. & Sci., Nat. Sci. Kor. Univ. 2: 235 (Korea).
Lema honorata: Nakane, 1963, Icon. Ins. Jap. Col. nat. 2: 322, pl. 161(24) (Korea).
Lema honorata: Cho, 1965, Sci. & Techn. Nat. Sci. Kor. Univ. 7: 108 (Korea).
Lema honorata: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 116 (Korea).
Lema honorata: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 392-393 (C. Korea).
Lema honorata: Kor. Soc. Pl. Prot., 1972, List Pl. Dis., Ins. Pests & Weeds Kor.: 187 (Korea).
Lema honrata: Gu, 1973, Agr. For. Inj. Ins. Kor. Col.: 121 (Korea).
Lema (Petauristes) honorata: Jolivet, 1973, Cah. Pac. 17: 259 (Corée).
Lema honorata: Kim, 1978, Distr. Atl. Ins. Kor. 2: 168, pl. 17 (CH 33)³⁻¹⁶.
Lema honorata: Ed. Dep. Hok. 1979, Ill. Ins. Jap. stud, ed: 429, fig. 2436 (Korea).
Lema (Petauristes) honorata: Kimoto et Gressitt, 1979, Pac. Ins. 20(2-3): 237 (Korea).
Lema honorata: Takizawa, 1980, Nat. & Lif. 10(2): 2¹⁷⁻¹⁸.
Lema (Petauristes) honorata: Kimoto, 1984, Col. Jap. Col. 4: 157, pl. 30(17) (Korea).

Locality: GB: Mt. Biseulsan, Daegu (Dongmeong¹⁷, Taegu¹⁸).
 GG: Mt. Cheonmasan (Pogwangsa⁸, Ch'onmasan¹⁰), Mt. Hwaagsan
 (Mt. Kagaku², Hwaaksan¹⁶), Ilyeong (Illyong⁵), Gwangneung
 (Kwangnung⁷), Mt. Myeongjisan (Myongjisan⁶), Seongmunsa
 (Songmunsa⁹), Songchu, Mt. Soyosan (Mt. Syôyô-Zan¹), Mt.
 Wangbangsan⁴.
 GN: Mt. Jirisan (P'iajol¹¹, Yongoksa¹²), Is. Namhaedo, Mt.
 Weonhyosan.

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GW: Gangchon (Kangch'on³)

JN: Is. Jindo, Is. Judo (Chudo¹⁵), Is. Wando¹⁴, Mt. Yudalsan¹³.

Distribution: Korea, Japan, China (Chekiang, Fukien, Shantung), Taiwan, Thailand, Vietnam.

Host: *Dioscorea pseudojaponia* Hay.

Subgenus *Microlema* Pic, 1932

Microlema Pic, 1932, Mél. Exot. Ent. 60: 33.

12. *Lema (Microlema) decempunctata* Gebler, 1830

Lema 10-punctata (ropunctata) Gebler 1830, Led. Reise 2: 196.

Lema decempunctata: Doi, 1927, Dob. Zassh. 39(466): 327, 335¹.

Lema decempunctata f. *kiautschauna* Heinze, 1943, Stett. Ent. Ztg. 104: 106.

Lema 10-punctata var. *nadari* Pic + *L. 10.* var. *nankinea* Pic, 1945, L'Echange 61: 13.

Lema decempunctata japonica: Yuasa, 1950, Icon. Ins. Jap. ed. ref. 2: 1189, pl. 3418 (Korea).

Lema decempuncta (sic): Goto, 1956, Col. Ill. Ins. Jap. Col. ed.: 62, pl. 18(360) (Korea).

Lema (Microlema) decempunctata: Gressitt et Kimoto, 1961, Pac. Ins. Mon. 1A: 63-64, fig. 16(a) (Korea).

Lema decempunctata: Nakane, 1963, Icon. Ins. Jap. Col. Nat. 2: 323, pl. 162(6) (Korea).

Lema decempunctata: Cho, 1965, Sci. & Techn. Nat. Sci. Kor. Univ. 7: 107-108 (Korea).

Lema decempunctata japonica: Suda, 1965, Col. Encycl. Ins.: 550-551 (Korea).

Lema decempunctata: Ohno, 1967, Nat. & Ins. 2(3): 16 (Korea).

Lema decempunctata: Cho, 1969, Ill. Encycl. Faun. & Flor. 10: 378, 392-393, pl. 73(4) (N.C. Korea).

Lema decempunctata japonica: Kor. Soc. Pl. Prot., 1972, List Pl. Dis. Ins. Pests, & Weeds Kor.: 187 (Korea).

Lema (Microlema) decempunctata: Jolivet, 1973, Cah. Pac. 17: 258 (Corée).

Lema decempunctata: Lopatin, 1975, Ins. Mong. 3: 193-194 (Korea).

Lema decempunctata: Ed. Dep. Hok., 1979, Ill. Ins. Jap. stud. ed.: 429, fig. 2437 (Korea).

Lema decempunctata: Takijawa, 1980, Nat. & Lif. 10(2): 2².

Lema (Microlema) decempunctata: Kimoto, 1984, Col. Jap. Col. 4: 157, pl. 30(18) (Korea).

Lema (Microlema) decempunctata: Takizawa, 1985, Nat. & Lif. 15(1): 2³⁻⁶.

Locality: GB: Daegu (Taegu)².

GG: Seoul^{1, 6}.

GN: Mt. Gajisan, Jangsa⁴, Jangseungpo³.

HN: Weonsan (Wonsan⁵).

Distribution: Korea, Japan, China (Chekiang, Hopei, Kiangsu, Sikang, Sinkiang, Szechun), Mongolia, Tibet, U.S.S.R. (E. Siberia).

Host: *Lycium chinense*, *Thea chinensis*.

Subgenus *Lema* Fabricius, 1798

Key to Korean species of *Lema*

1. Mid tibia without a distinct spine 2
- Mid tibia with a distinct spine, pronotum and elytra entirely blue; in some case pronotum, apices of elytra and base of femora reddish brown *coronata*
2. Pronotum and elytra entirely blue or blackish blue 3
- Pronotum and elytra not entirely blue, at least partly reddish 4
3. Pronotum very strongly and closely punctured *cyanella*
- Pronotum strongly but not closely punctured *concinnipennis*
4. Elytra bicolorous 5
- Elytra unicolorous 6
5. Elytra blue with a broad reddish transverse band; pronotum reddish *delicatula*
- Elytra with a rectangular sutural fulvous marking behind base and fulvous apical area; leg reddish brown except for apex of middle and posterior femora blackish *scutellaris*
6. Pronotum with a weakly transverse groove anterior to middle; elytra strongly depressed just behind base; head, antenna, legs and sterna black *corensis*
- Pronotum lacking a transverse groove anterior to middle; elytra weakly depressed just behind base; ventral surfaces of body black *diversa*

13. *Lema* (*Lema*) *concinnipennis* Baly, 1865

Lema concinnipennis Baly, 1865, Ann. Mag. Nat. Hist. ser. 3, 16: 157.

Lema haemorrhoidalis Weise, 1889, Hor. Soc. Ent. Ross. 23: 576.

Lema kiotoensis Pic + *L. inaequalicollis* Pic + *L. atriventris* Pic, 1924, M  l. Exot. Ent. 41: 12-13.

Lema concinnipennis: Doi, 1927, Dob. Zassh. 39(466): 326, 335¹.

Lema concinnipennis: Kuwayama, 1932, Journ. Fac. Agr., Hokk. Imp. Univ. 33(1): 69²⁻⁴.

Lema concinnipennis: Ch  j  , 1940, Trans. Nat. Hist. Soc. Form. 30(204): 352⁵⁻⁷.

Lema concinnipennis Baly var. *ventralis*: Ch  j  , 1951, Trans. Shik. Ent. Soc. 2(3): 32 (Korea).

Lema concinnipennis: Goto, 1956, Col. Ill. Ins. Jap. Col., ed: 62, pl. 18(363) (Korea).

Lema concinnipennis: Cho, 1957, Hum. & Sci., Nat. Sci. Kor. Univ. 2: 235 (Korea).

Lema (*Lema*) *concinnipennis*: Gressitt et Kimoto, 1961, Pac. Ins. Mon. 1A: 65-66 (Korea).

Lema concinnipennis: Nakane, 1963, Icon. Ins. Jap. Col. nat. 2: 322, pl. 161(23)

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(Korea).

Lema concinnipennis: Cho, 1965, Sci. & Techn. Nat. Sci. Kor. Univ. 7: 108 (Korea).

Lema concinnipennis: Suda, 1965, Col. Encycl. Ins.: 551 (Korea).

Lema concinnipennis: Ohno, 1967, Nat. & Ins. 2(3): 17 (Korea).

Lema concinnipennis: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 116 (Korea).

Lema concinnipennis: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 392-393 (C.S. Korea).

Lema concinnipennis: Kor. Soc. Pl. Prot., 1972, List. Pl. Dis. Ins. Pests, & Weeds Kor.: 189 (Korea).

Lema (s. str.) *concinnipennis*: Jolivet, 1973, Cah. Pac. 17: 258 (Corée).

Lema concinnipennis: Jolivet, 1974, Kor. Journ. Ent. 4(2): 97⁸⁻⁹.

Lema concinnipennis: Kim, 1978, Dist. Atl. Ins. Kor. 2: 169, pl. 17 (CH 34)¹⁰⁻³⁸.

Lema concinnipennis: Takizawa, 1980, Nat. & Lif. 10(2): 1³⁹⁻⁴².

Lema concinnipennis: Lee et Kwon, 1981, Kor. Ass. Cons. Nat. 19: 155⁴³⁻⁴⁴.

Lema (*Lema*) *concinnipennis*: Kimoto, 1984, Col. Jap. Col. 4: 156, pl. 30(10) (Korea).

Locality: CB: Goegogni (Koegongni²⁷), Mt. Deogsungsan, Mt. Songnisan.

CN: Mt. Gyeryongsan (Kapsa²⁶), ? (Teisiri⁵).

GB: Chilgog, Chupungryeong, Daegu (Taegu³⁹, Dongmeong⁴²), Is. Dogdo⁴⁴ (Is. Dockdo⁹), Gumi (Kumi⁴⁰), Mt. Hwanghagsan, Mt. Palgongsan (Palkong-san⁴¹), Sunheung Myeon, Is. Ulreungdo⁴³ (Is. Dagelet⁸, Ullungdo²⁸, Sadong²⁹, Chodong³⁰, Chusan³¹).

GG: Mt. Aengmubong¹⁷, Mt. Baegunsan, Mt. Bughansan (Bukhansan¹⁵), Byeogjea (Pyokche¹⁶), Mt. Cheonmasan (Pogwangsa¹⁸, Ch'on-masan¹⁹), Mt. Dobongsan (Tobongsan¹⁴), Is. Ganghwado, Gwang-neung (Kwangnung²¹), Mt. Myeongjisan (Myongjisan²⁰), Namhansanseong (Namhansansong²²), Seoul¹⁻² (Keizyo⁶, Seoul Uidong²³, Namsan²⁴), Songchu, Mt. Soyosan, Mt. Yongmunsan²⁵.

GN: Mt. Gayasan, Mt. Geumjongsan, Geumsan, Mt. Jirisan, Masan, Mt. Ongnyebong, Mt. Weonhyosan.

GW: Mt. Chiagsan (Ch'iaksan¹²), Mt. Obongsan, Mt. Odaesan, Mt. Palbongsan, Samseongni, Mt. Seolagsan, Seongnam (Songnam¹³), Sogeumgang (Sogumgang¹¹).

HB: Daeyudong³ (Taeyudong³⁷).

HN: Sambang¹⁰.

JB: Dongjin Myeon⁴ (Tongjinmyon³⁸), Mujugucheondong (Mujukuch'ondong³²), Mt. Naejangsan (Mt. Naizo-Zan⁷).

JJ: Mt. Hallasan (Kwanumsa), Seogwipo.

JN: Is. Hongdo³³, Is. Jindo, Is. Soheugsando (Sohuksando³⁴), Mt. Yudalsan³⁵.

Distribution: Korea, Japan, China (Chekiang, Fukien, Hopei, Hupeh, Szechuan).

Host: *Commelina communis* Linne.

14. *Lema (Lema) coreensis* Monrós, 1958

- Lema coreensis* Monros, 1958, Opera Lill. 3: 182.
Lema coreana (nec Pic) Chûjô, 1933, Sylvia 4(1): 30 (Corea).
Lema (Lema) peninsularis Gressitt et Kimoto, 1961, Pac. Ins. Mon. 1A: 70 (Korea).
Lema peninsularis: Cho, 1965, Sci. & Techn. Nat. Sci. Kor. Univ. 7: 108 (Korea).
Lema peninsularis: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 392-393 (Korea).
Lema peninsularis: Jolivet, 1973, Cah. Pac. 17: 259 (Corée).

Distribution: Korea.

15. *Lema (Lema) coronata* Baly, 1873

- Lema coronata* Baly, 1873, Trans. Ent. Soc. Lond. 1873: 72.
Lema spinipes Pic, 1938, Ark. Zool. 30A (13): 16.
Lema coronata: Jolivet, 1974, Kor. Journ. Ent. 4(2): 98¹.
Lema coronata: Jolivet, 1975, Bull. Soc. Linn. Lyon. 44(2): 64².

Locality: GB: Dansan Myeon, Mt. Palgongsan.

GN: Mt. Jirisan.

GW: Yanggu.

JJ: Is. Chejudo¹ (Quelpart²).

JN: Is. Hongdo.

Distribution: Korea, Japan, China (Fukien, Hupeh, Kiangsu, Kwangtung).

Host: *Commelina communis* Linné.

16. *Lema (Lema) cyanella* (Linnaeus, 1758)

- Chrysomela cyanella* Linnaeus, 1758, Syst. Nat. ed. 10: 376.
Lema (Lema) cyanella: Gressitt et Kimoto, 1961, Pac. Ins. Mon. 1A: 66-67 (Korea).
Lema Cyanella(sic): Cho, 1965, Sci. & Techn. Nat. Sci. Kor. Univ. 7: 108 (Korea).
Lema cyanella: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 392-393 (Korea).
Lema (s. str.) *cyanella*: Jolivet, 1973, Cah. Pac. 17: 258 (Coree).
Lema cyanella: Lopatin, 1975, Ins. Mong. 3: 194 (Korea).

Locality: GB: Mt. Juwangsan.

GW: Mt. Daeamsan, Samseongni, Mt. Seolagsan.

JJ: Seogwipo.

Distribution: Korea, China (Kirin, Liaoning, Sinkiang), Mongolia, Europe.

Host: *Cirsium arvense* Linne.

Remarks: *Lema cirsicola* Chujo was recorded from Imgye-myeon by Kim (1978), but there is a possibility that this may be the preceding species.

17. *Lema* (*Lema*) *delicatula* Baly, 1873

Lema delicatula Baly, 1873, Trans. Ent. Soc. Lond. 1873: 75.

Lema delicatura (sic): Takizawa, 1980, Nat. & Lif. 10(2): 2¹⁻².

Lema (*Lema*) *delicatula*: Kimoto, 1984, Col. Jap. Col. 4: 157, pl. 30(15) (Korea).

Lema (*Lema*) *delicatura* (sic): Takizawa, 1985, Nat. & Lif. 15(1): 2³.

Locality: GB: Daegu, Gumi (Kumi nr. Taegu¹), Mt. Hwanghagsan, Mt. Palgongsan (Palkong-san², Pagesa³), Mt. Sogbaegsan.

GG: Mt. Cheonmasan.

GN: Mt. Yeongchwisan.

Distribution: Korea, Japan, China (Fukien).

Host: *Commelina* sp.

18. *Lema* (*Lema*) *diversa* Baly, 1873

Lema diversa Baly, 1873, Trans. Ent. Soc. Lond. 1873: 71.

Lema chinensis Jacoby, 1890, Entomologist 23: 85.

Lema coreana Pic, 1924, Mél. Exot. Ent. 41: 13¹.

Lema diversa: Doi, 1927, Dob. Zassh. 39(466): 326-327, 335²⁻³.

Lema diversa: Kuwayama, 1932, Journ. Fac. Agr., Hokk. Imp. Univ. 33(1): 78⁴⁻⁶.

Lema diversa: Haku, 1936, Journ. Chos. Nat. Hist. Soc. 21: 123⁷.

Lema diversa: Nagaoka, 1940, Kontyu, Kai 8(77): 471⁸.

Lema diversa: Chûjô, 1940, Trans. Nat. Hist. Soc. Form. 30(204): 352-353⁹⁻²⁰.

Lema diversa: Ishii, 1941, Sci. Rep. Keit. 6: 10²¹.

Lema diversa: Chûjô, 1951, Trans. Shik. Ent. Soc. 2(3): 32 (Korea).

Lema diversa: Goto, 1956, Col. Ill. Ins. Jap. Col. ed.: 62, pl. 18(361) (Korea).

Lema diversa: Cho, 1957, Hum. & Sci., Nat. Sci. Kor. Univ. 2: 235 (Korea).

Lema diversa: Gressitt et Kimoto, 1961, Pac. Ins. Mon. 1A: 67, figs. 10(d), 16(c), 17(a)²²⁻²⁴.

Lema diversa: Nakane, 1963, Icon. Ins. Jap. Col. nat. 2: 323, pl. 162(1) (Korea).

Lema diversa: Cho, 1965, Sco. & Tech. Nat. Sci. Kor. Univ. 7: 108 (Korea).

Lema diversa: Ohno, 1967, Nat. & Ins. 2(3): 18 (Korea).

Lema diversa: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 116 (Korea).

Lema diversa: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 392-393 (N.C.S. Korea).

Lema (s. str.) *diversa*: Jolivet, 1973, Cah. Pac. 17: 259 (Corée).

Lema diversa: Jolivet, 1974, Kor. Journ. Ent. 4(2): 97²⁵⁻²⁶.

Lilioceris rugata (nec Baly): Kim, 1978, Distr. Atl. Ins. Kor. 2: 165, pl. 17 (CH 30)²⁷.

Lema diversa: Takizawa, 1980, Nat. & Lif. 10(2): 2²⁸⁻³¹.

Lema diversa: Lee et Kwon, 1981, Kor. Ass. Cons. Nat. 19: 155³²⁻³³.

Lema (Lema) diversa: Kimoto, 1984, Col. Jap. Col. 4: 156, pl. 30(11) (Korea).

Lema (Lema) diversa: Takizawa, 1985, Nat. & Lif. 15(1): 2³⁴.

Locality: CB: Mt. Deongsungsan, Mt. Songinsan.

CN: Mt. Gyeryongsan, ? (Teisiri¹⁷).

GB: Chupungryeong, Daegu (Taikyu⁷, Taegu²⁷, Dongmeong³⁰), Dansan Meyon, Is. Dogdo³² (Is. Dockdo²⁶), Gachang Myeon, Gumi (Kumi²⁸), Mt. Hwanghagsan, Jilyang Myeon, Mt. Juwangsan, Mt. Naeyeonsan, Mt. Palgongsan (Palkong-san²⁹), Mt. Sobaegsan, Is. Ulreungdo³¹ (Is. Dagelet²⁵).

GG: Mt. Aengmubong, Mt. Baegunsan, Mt. Bughansan (Mt. Hokukan-Zan¹⁴), Mt. Cheonmasan, Mt. Dobongsan, Mt. Hwaagsan (Mt. Kagaku²¹), Mt. Myongjisan, ? (Sekirison¹⁸), Seoul^{3, 5, 24, 33, 34} (Keizyo^{9, 19}), Mt. Soyosan, Suwon (Suigen^{10, 23}), Mt. Unagsan, Mt. Yongmunsan.

GN: Busan (Fusan¹), Mt. Gajisan, Mt. Jirisan, Masan, Samnam Myeon, Mt. Weonhyosan.

GW: Mt. Chiagsan, Mt. Geumgangsán (Mt. Kongo-Zan^{11, 22}), Mt. Odaesan, Samseongni, Mt. Seolagsan, Sogeumgang.

HB: ? (Bunheiri¹⁵), ? (Kokai¹³), Mt. Myohyangsan (Mt. Myoko-Zan^{8, 16}).

HN: Weonsan^{2, 4} (Genzan¹²).

JB: Dongjin Myeon⁶, Mt. Naejangsan (Mt. Naizo-Zan²⁰).

JJ: Jungmun, Seogwipo.

JN: Is. Dacheugsando, Is. Hongdo, Is. Jindo, Mt. Yudalsan.

Distribution: Korea, Japan China (Anhui, Chekiang, Fukien, Hupeh, Kiangsi, Kirin, Kwangtung, Szechuan).

Host: *Chrysanthemum*, *Commelina communis* Linne.

19. *Lema (Lema) scutellaris* (Kraatz, 1879)

Crioceris scutellaris Kraatz, 1879, Deut. Ent. Zeit. 23: 130, pl. 2, fig. 4.

Lema scutellaris: Doi, 1927, Dob. Zassh. 39(466): 327-328, 335 (Korea).

Lema scutellaris: Goto, 1959, Col. Ill. Ins. Jap. Col., ed: 62, pl. 18(362) (Korea).

Lema scutellaris: Gressitt et Kimoto, 1961, Pac. Ins. Mon. 1A: 72 (Korea).

Lema scutellaris: Nakane, 1963, Icon. Ins. Jap. Col. nat. 2: 323, pl. 162(3) (Korea).

Lema scutellaris: Cho, 1965, Sci. & Techn. Nat. Sci. Kor. Univ. 7: 108 (Korea).

Lema scutellaris: Ohno, 1967, Nat. & Ins. 2(3): 18 (Korea).

Lema scutellaris: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 116 (Korea).

Lema (s. str.) *scutellaris*: Jolivet, 1973, Cah. Pac. 17: 259 (Corée).

Lema (Lema) scutellaris: Kimoto, 1984, Col. Jap. Col. 4: 157, pl. 30(14) (Korea).

Lema (Lema) scutellaris: Takizawa, 1985, Nat. & Lif. 15(1): 2 (Korea).

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Locality: GG: Suweon.

GW: Yanggu.

Distribution: Korea, Japan, U.S.S.R. (Amurland).

Host: *Commelina communis* Linne.

Genus 4. *Oulema* DesGozis 1886

Oulema DesGozis, 1886, Rech. 1'Espece Typiq. 33.

Ulema Bedel, 1889, Faun. Col. Bass. Seine 5: 116.

Hapsidolema Heinze, 1927, Ent. Blatt. 23(4): 162.

Incisophthalma Heinze, 1929, Deutsch. Ent. Zeitschr. 289.

Xoidolema Heinze, 1931, Wien. Ent. Ztg. 48(4): 206.

Conradsia Pic, 1936, Mél. Exot. Ent. 68: 10.

Key to Korean species of *Oulema*

1. Basal part of pronotum closely punctured; basal groove not distinct 2
- Basal part of pronotum nearly impunctate; basal groove distinct; dorsum yellowish brown; suture and external margin of elytra black; length 3.2-3.4 mm *atrosuturalis*
2. Entirely, or almost entirely, blue or blackish blue 3
- Not entirely or blackish blue, at least legs reddish brown 4
3. Prothorax oblong, and broadest at middle; pronotal punctures in central portion arranged in 3 rows *erichsoni*
- Prothorax not oblong, and broadest at anterior part; pronotal punctures in central portion arranged in a single row *viridula*
4. Pronotum and elytra blue 5
- Pronotum reddish brown and elytra blue; pronotal punctures not arranged in longitudinal row *oryzae*
5. Pronotum finely and closely punctured at side and sparsely above; dorsal punctures stronger and mostly in a single row *tristis*
- Pronotum finely and closely punctured throughout; dorsal punctures stronger but not sparse or in a single row *dilutipes*

20. *Oulema atrosuturalis* (Pic, 1923)

Lema downesi (nec Baly): Baly, 1873, Trans. Ent. Soc. Lond. 1873: 75.

Lema atrosuturalis Pic, 1923, Mél. Exot. Ent. 40: 18.

Locality: JN: Is. Jeobdo.

Distribution: Korea (new record), Japan, China (Fukien, Kiangsu, Kwangtung, Szechuan,

Yunnan), Taiwan, Vietnam, Thailand.

21. *Oulema dilutipes* (Fairmare, 1888)

Lema dilutipes Fairmare, 1888, Revue, d'Ent. Caen. 7: 149.

Oulema dilutipes: Ohno, 1967, Nat. & Ins. 2(4): 10 (Korea).

Oulema dilutipes: Kimoto, 1984, Col. Jap. Col. 4: 158, pl. 30(20) (Korea).

Locality: GB: Daegu, Gamcheon Myeon, Mt. Palgongsan.

GN: Mt. Jirisan.

Distribution: Korea, Japan, China (Hopei, Hupeh).

Host: *Sorghum bicolor* Moench.

22. *Oulema erichsoni* (Suffrian, 1841)

Lema erichsoni Suffrian, 1841, Stett. Ent. Ztg. 2: 104.

Oulema erichsoni: Kim, 1978, Distr. Atl. Ins. Kor. 2: 169¹⁻².

Locality: GB: Mt. Juwangsan.

GG: Mt. Cheonmasan (Ch'onmasan²), Gwangneung (Kwangnung¹).

GN: Mt. Jirisan.

GW: Mt. Odaesan.

Distribution: Korea, Japan, China (Manchuria), U.S.S.R. (Siberia).

23. *Oulema oryzae* (Kuwayama, 1951)

Lema oryzae Kuwayama, 1931, Ins. Matsumurana 5(3): 115.

Lema oryzae: Chûjô, 1933, Sylvia 4(1): 31 (Coréa).

Lema oryzae: Yuasa, 1950, Icon. Ins. Jap. ref. 2: 1189, pl. 3419 (Korea).

Lema rugifrons Jakob, 1954, Kol. Rdsch. 32: 102.

Oulema oryzae: Nakane, 1963, Icon. Ins. Jap. Col. nat. 2: 323, pl. 162(8) (Korea).

Oulema oryzae (sic): Cho, 1965, Sci. & Techn. Nat. Sci. Kor. Univ. 7: 108 (Korea).

Oulema oryzae: Ohno, 1967, Nat. & Ins. 2(4): 9-10 (Korea).

Lema oryzae: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 116 (Korea).

Oulema oryzae (sic): Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 394-395 (Korea).

Lema oryzae: Kor. Soc. Pl. Prot., 1972, List. Pl. Dis. Ins. Pests, & Weeds. Kor.: 187 (Korea).

Lema oryzae (sic): Gu, 1973, Agr. For. Inj. Ins. Kor. Col.: 121-122 (Korea).

Oulema oryzae: Jolivet, 1973, Cah. Pac. 17: 259 (Corée).

Oulema oryzae: Kimto, 1984, Col. Jap. Col. 4: 157-158, pl. 30(19) (Korea).

Locality: GB: Anjeong Myeon, Daegu, Dansan Myeon.
GW: Yanggu.

Distribution: Korea, Japan, China (Fukien, Hupeh, Kwangtung, Kweichow, Yunnan), Taiwan.

Host: *Oryza sativa* Linnaeus.

24. *Oulema tristis* (Herbst, 1786)

- Crioceris tristis* Herbst, 1786, In Ruessly, Arch. Ins. 7: 165.
Lema flavipes Suffrian, 1841, Stett. Ent. Ztg. 2: 100.
Lema tristis: Chûjô, 1933, Sylvia 4(1): 40¹.
Lema tristis: Chûjô, 1940, Trans. Nat. Hist. Soc. Form. 30(204): 353².
Lema tristis: Chûjô, 1941, Ibid. 31: 454 (Korea).
Lema (s. str.) *tristis*: Chûjô, 1954, Trans. Shik. Ent. Soc. 4(4): 52 (Korea).
Lema tristis: Cho, 1957, Hum. & Sci., Nat. Sci. Kor. Univ. 2: 235 (Korea).
Oulema tristis: Gressitt et Kimoto, 1961, Pac. Ins. Mon. 1A: 78-79, fig. 18(e) (Korea).
Oulema tristis: Cho, 1965, Sci. & Techn. Nat. Sci. Kor. Univ. 7: 108 (Korea).
Oulema tristis: Ohno, 1967, Nat. & Ins. 2(4): 10 (Korea).
Lema tristis: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 116 (Korea).
Oulema tristis: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 394-395 (Korea).
Oulema tristis: Jolivet, 1973, Cah. Pac. 17: 259 (Corée).
Oulema tristis: Takizawa, 1980, Nat. & Lif. 10(2): 2³.
Oulema tristis: Kimoto, 1984, Col. Jap. Col. 4: 158 (Korea).
Lema (*Oulema*) *tristis*: Mohr, 1985, Beitr. Ent. Berlin 35(2): 246 (Korea).

Locality: GB: Daegu (Taegu³).
GN: Mt. Jirisan.
HB: Mt. Myohyangsan (Mt. Myôkô-Zan²), Sangsambong (Zyôsbông¹).
JB: Mt. Mayisan.

Distribution: Korea, Japan, China (Hopei, Kansu, Kirin, Shantung), Mongolia, U.S.S.R. (Siberia), Europe.

25. *Oulema viridula* (Gressitt, 1942)

- Lema viridula* Gressitt, 1942, Lingn. Sci. Journ. 20(2-4): 322.
Lema pygmaea (nec Kraatz): Chûjô, 1940, Tran. Nat. Hist. Soc. Form. 30(204): 353¹.
Lema cyanella (nec L.): Chûjô, 1941, Ibid. 31(219): 453 (Korea).
Lema pygmaea (nec Kraatz): Cho, 1957, Hum. & Sci., Nat. Sci. Kor. Univ. 2: 235 (Korea).
Oulema viridula: Gressitt et Kimoto, 1961, Pac. Ins. Mon. 113: 79, figs. 18(f), 19(b) (Korea).

- Oulema viridula*: Cho, 1965, Sci. & Techn. Nat. Sci. Kor. Univ. 7: 108-109 (Korea).
Lema pygmaea (nec Kraatz): Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 116 (Korea).
Oulema viridula: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 394-395 (Korea).
Oulema viridula: Jolivet, 1973, Cah. Paç. 17: 259 (Corée).
Oulema viridula: Takizawa, 1980, Nat. & Lif. 10(2): 2² - 3.

Locality: GB: Daegu (Taegu²), Mt. Juwangsan, Mt. Palgongsan (Palkong-san³),
 Mt. Sobaegsan.
 GG: Mt. Cheonmasan, Gwangneung, Mt. Myeongjisan.
 Mt. Soyosan (Mt. Syoyo-Zan¹).
 GW: Mt. Chiagsan.

Distribution: Korea, China (Hupeh, Kiangsi, Kirin).

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